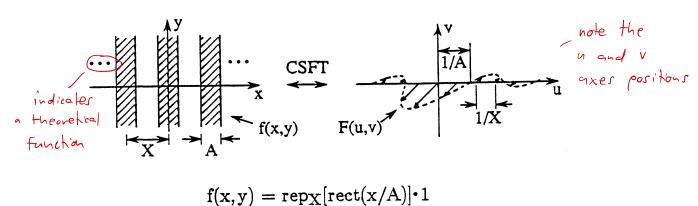
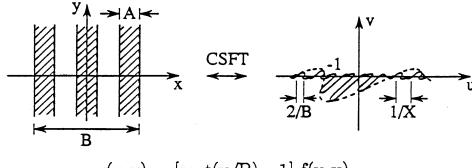


8.
$$\delta(x) = \delta(x) \cdot 1 \xrightarrow{CSFT} 1 \cdot \delta(v) = \delta(v)$$

2.1.4 PERIODIC STRUCTURES

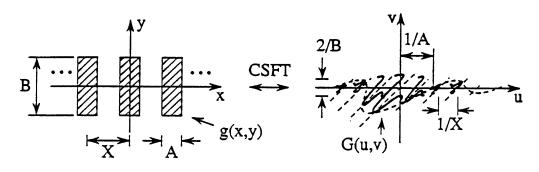


$$F(u,v) = \frac{1}{X} comb \frac{1}{X} [A sinc (Au)] \delta(v)$$



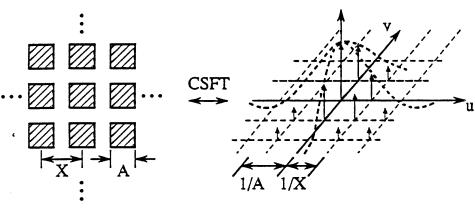
$$g(x,y) = [rect(x/B) \cdot 1] \ f(x,y)$$

$$G(u,v) = B \operatorname{sinc}(Bu) \ \delta(v) \ ** \ F(u,v)$$



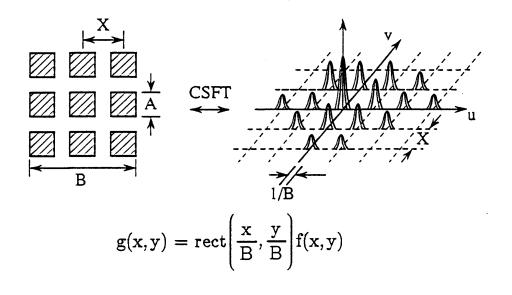
$$g(x,y) = \left[1 \cdot \text{rect } (y/B)\right] f(x,y)$$

$$G(u,v) = \delta(u) B \text{ sinc}(Bv) ** F(u,v)$$



$$f(x,y) = rep_{XX} \left[rect(\frac{x}{A}, \frac{y}{A}) \right]$$

$$F(u,v) = \frac{1}{X^2} comb \frac{1}{X} \frac{1}{X} [A^2 sinc(Au,Av)]$$



 $G(u,v) = B^2 sinc(Bu,Bv) ** F(u,v)$